

09/823085

Jason Cong

EAST SEARCH

7/27/05

L#	Hits	Search String	Databases
L2	26	6,044,209.pn. or 5,859,776.pn. or 5,883,808.pn. or 5,764,528.pn. or 5,838,581.pn. or 5,446,6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	121	((integrated or digital) adj circuit\$1) with noise with model\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	8878	((integrated or digital) adj circuit\$1) with noise	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	314	4 and (noise with model\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L6	47	5 and ("resistor capacitor" or RC) with circuit\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L7	31	4 and ("resistor capacitor" or RC) with circuit\$1 with type\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L8	31	5 and (victim\$1 with aggressor\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	26	5 and (coupling with aggressor\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	32	5 and (coupling with victim)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	90	5 and (noise with (peak or width))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	39	5 and (noise with width)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L13	106	5 and ("transition time" or "elmore delay" or "threshold voltage")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L14	69	5 and (coupling with (resistance or capacitance or location))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	36	13 and 14	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L17	39	11 and 12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L18	18	5 and ("crosstalk noise")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L19	0	18 and (sink and source)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	0	18 and (receiver and transmitter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	70	5 and ((sink and source) or (receiver and transmitter))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L23	0	5 and (lumped with capacitance\$1 with weight\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L24	18	5 and (lumped with capacitance\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L25	16	24 and (path or branch)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L26	172	5 and (("resistor capacitor" or RC) with circuit\$1) or (victim\$1 with aggressor\$1) or (coupling	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L27	5	5 and ("resistor capacitor" or RC) with circuit\$1 with pi)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	6	5 and ("RC delay")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L28	1	5 and (capacitance\$1 with weight\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L29	2	26 and (noise with peak with threshold)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L30	8	26 and (noise with "pulse width")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L31	158	4 and (noise with "pulse width")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L32	0	31 and "elmore delay"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L33	8	4 and "pi model"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

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Results of search set L26:5 and ((("resistor capacitor" or RC) with circuit\$1) or (victim\$1 with aggressor\$1) or (coupling with aggressor\$1) or ...)

Document Kind	Codes	Title	Issue Date	Current OR	Abstract
US	20040103386	A1 Noise analysis for an integrated circuit model	20040527	716/13	
US	20040103381	A1 Semiconductor integrated circuit designing apparatus, semiconductor integrated circuit design	20040527	716/5	
US	20040087285	A1 VCO gain tracking for modulation gain setting calibration	20040506	455/126	
US	20040051511	A1 Method for delta-I noise reduction	20040318	323/283	
US	20040024554	A1 Method and apparatus for calibrating parameters to be used in a digital circuit simulation	20040205	702/107	
US	20040021599	A1 System and method for detecting an intruder using impulse radio technology	20040205	342/28	
US	20040019864	A1 METHOD AND APPARATUS FOR ANALYZING INDUCTIVE EFFECTS IN A CIRCUIT LAYC	20040129	716/6	
US	20040017224	A1 Integrated circuit and sensor for imaging	20040129	327/51	
US	20040013276	A1 Analog audio signal enhancement system using a noise suppression algorithm	20040122	381/94.3	
US	20030233622	A1 Method and apparatus for an asynchronous pulse logic circuit	20031218	716/1	
US	20030227032	A1 Wiring design method of integrated circuit device, system thereof, and program product there	20031211	257/208	
US	20030210101	A1 MEMS-based, computer systems, clock generation and oscillator circuits and LC-tank appara	20031113	331/117FE	
US	20030177427	A1 Circuit modeling	20030918	714/741	
US	20030176982	A1 Manufacturing integrated circuits and testing on-die power supplies using distributed program	20030918	702/60	
US	20030169121	A1 Method and apparatus to attenuate power plane noise on a printed circuit board using high E;	20030911	333/12	
US	20030163277	A1 Method for simulating power supply noise in an on-chip temperature sensor	20030828	702/136	
US	20030159121	A1 Variable stage ratio buffer insertion for noise optimization in a logic network	20030821	716/8	
US	20030155966	A1 Low-power, low-noise CMOS amplifier	20030821	330/9	
US	20030154454	A1 Method and system for estimating jitter in a delay locked loop	20030814	716/6	
US	20030154453	A1 Optimization of loop bandwidth for a phase locked loop	20030814	716/5	
US	20030154447	A1 Method for optimizing loop bandwidth in delay locked loops	20030814	716/2	
US	20030154065	A1 Method for optimizing decoupling capacitor design in delay locked loops	20030814	703/14	
US	20030154064	A1 Decoupling capacitor method for a phase locked loop	20030814	703/14	
US	20030154048	A1 Method for decoupling capacitor optimization for a temperature sensor design	20030814	702/132	
US	20030151464	A1 Jitter estimation for a phase locked loop	20030814	331/74	
US	20030138111	A1 Noise-suppressing receiver	20030724	381/71.7	
US	20030137877	A1 Noise reduction technique for transistors and small devices utilizing an episodic agitation	20030724	365/185.19	
US	20030128071	A1 Variable transconductance variable gain amplifier utilizing a degenerated differential pair	20030710	330/254	
US	20030115563	A1 Method for estimating peak crosstalk noise	20030619	716/5	
US	20030100040	A1 Blood analyte monitoring through subcutaneous measurement	20030529	435/14	
US	20030079191	A1 Cell-based noise characterization and evaluation	20030424	716/4	
US	20030030497	A1 Integrated VCO having an improved tuning range over process and temperature variations	20030213	331/34	
US	20030021440	A1 Digital watermarking employing noise model	20030130	382/100	
US	20030011424	A1 Simultaneous switching noise minimization technique for power lines using dual layer power li	20030116	327/565	
US	20020194573	A1 Method for simulating noise on the input of a static gate and determining noise on the output	20021219	716/5	
US	20020193959	A1 System and method of determining the noise sensitivity characterization for an unknown circu	20021219	702/117	
US	20020183054	A1 Mobile system testing architecture	20021205	455/423	
US	20020174409	A1 System and method for analyzing power distribution using static timing analysis	20021121	716/6	
US	20020174408	A1 System and method for determining the noise sensitivity of an integrated circuit	20021121	716/5	
US	20020147956	A1 Method for modeling noise emitted by digital circuits	20021010	716/4	

US 20020147555 A1	Method and apparatus for analyzing a source current waveform in a semiconductor integrated circuit	20021010 702/70
US 20020147553 A1	Electromagnetic disturbance analysis method and apparatus and semiconductor device manufacturing method	20021010 702/65
US 20020130807 A1	System and method for detecting an intruder using impulse radio technology	20020919 342/28
US 20020121994 A1	Delta-sigma modulator system and method	20020905 341/143
US 20020050861 A1	Variable transconductance variable gain amplifier utilizing a degenerated differential pair	20020502 330/254
US 20020047942 A1	Digital IF demodulator for video applications	20020425 348/731
US 20020024407 A1	Distributed constant type noise filter	20020228 333/184
US 20020022951 A1	Method, apparatus and computer program product for determination of noise in mixed signal : mixed signal	20020221 703/16
US 20010041548 A1	Variable gain amplifier for low voltage applications	20011115 455/252.1
US 20010025139 A1	Multivariate cardiac monitor	20010927 600/301
US 6751744 B1	Method of integrated circuit design checking using progressive individual network analysis	20040615 713/401
US 6750515 B2	SCR devices in silicon-on-insulator CMOS process for on-chip ESD protection	20040615 257/357
US 6748339 B2	Method for simulating power supply noise in an on-chip temperature sensor	20040608 702/136
US 6747501 B2	Dual-triggered electrostatic discharge protection circuit	20040608 327/310
US 6744320 B2	Variable transconductance variable gain amplifier utilizing a degenerated differential pair	20040601 330/254
US 6737887 B2	Current mode signal interconnects and CMOS amplifier	20040518 326/86
US 6732339 B2	Cell-based noise characterization and evaluation	20040504 716/4
US 6732336 B2	Method and apparatus for an asynchronous pulse logic circuit	20040504 716/1
US 6732065 B1	Noise estimation for coupled RC interconnects in deep submicron integrated circuits	20040504 703/2
US 6723577 B1	Method of forming an optical fiber interconnect through a semiconductor wafer	20040420 438/31
US 6718530 B2	Method and apparatus for analyzing inductive effects in a circuit layout	20040406 716/6
US 6704680 B2	Method for decoupling capacitor optimization for a temperature sensor design	20040309 702/130
US 6693439 B1	Apparatus and methods for measuring noise in a device	20040217 324/613
US 6691291 B2	Method and system for estimating jitter in a delay locked loop	20040210 716/6
US 6690065 B2	Substrate-biased silicon diode for electrostatic discharge protection and fabrication method	20040210 257/355
US 6687881 B2	Method for optimizing loop bandwidth in delay locked loops	20040203 716/2
US 6684065 B2	Variable gain amplifier for low voltage applications	20040127 455/252.1
US 6675365 B2	Method and system for predicting worst-case capacitive and inductive switching vector	20040106 716/6
US 6675118 B2	System and method of determining the noise sensitivity characterization for an unknown circuit	20040106 702/117
US 6671863 B2	Optimization of loop bandwidth for a phase locked loop	20031230 716/6
US 6665845 B1	System and method for topology based noise estimation of submicron integrated circuit design	20031216 716/5
US 6657566 B1	Conversion of a PCM signal into a UPWM signal	20031202 341/53
US 6653967 B2	Fully differential sampling circuit	20031125 341/172
US 6646523 B2	Distributed constant type noise filter	20031111 333/184
US 6633068 B2	Low-noise silicon controlled rectifier for electrostatic discharge protection	20031014 257/355
US 6617649 B2	Low substrate-noise electrostatic discharge protection circuits with bi-directional silicon diodes	20030909 257/355
US 6614384 B2	System and method for detecting an intruder using impulse radio technology	20030902 342/28
US 6611026 B2	Substrate-biased silicon diode for electrostatic discharge protection and fabrication method	20030826 257/355
US 6600243 B1	Battery pack and an information processing device in which the battery pack is detachable/attachable	20030729 307/150
US 6594805 B1	Integrated design system and method for reducing and avoiding crosstalk	20030715 716/5
US 6594630 B1	Voice-activated control for electrical device	20030715 704/256
US 6587815 B1	Windowing scheme for analyzing noise from multiple sources	20030701 703/13
US 6586835 B1	Compact system module with built-in thermoelectric cooling	20030701 257/717

US 6579690 B1	Blood analyte monitoring through subcutaneous measurement	20030617 435/14
US 6576974 B1	Bipolar junction transistors for on-chip electrostatic discharge protection and methods thereof	20030610 257/499
US 6570248 B1	Structure and method for a high-performance electronic packaging assembly	20030527 257/724
US 6567773 B1	Use of static noise analysis for integrated circuits fabricated in a silicon-on-insulator process	20030520 703/14
US 6564355 B1	System and method for analyzing simultaneous switching noise	20030513 716/4
US 6556954 B1	Method and device for determining a fault in a technical system	20030429 702/185
US 6546529 B1	Method for performing coupling analysis	20030408 716/5
US 6539527 B2	System and method of determining the noise sensitivity of an integrated circuit	20030325 716/5
US 6536022 B1	Two pole coupling noise analysis model for submicron integrated circuit design verification	20030318 716/5
US 6526191 B1	Integrated circuits using optical fiber interconnects formed through a semiconductor wafer	20030225 385/14
US 6523149 B1	Method and system to improve noise analysis performance of electrical circuits	20030218 716/4
US 6509796 B2	Variable transconductance variable gain amplifier utilizing a degenerated differential pair	20030121 330/254
US 6507935 B1	Method of analyzing crosstalk in a digital logic integrated circuit	20030114 716/5
US 6502223 B1	Method for simulating noise on the input of a static gate and determining noise on the output	20021231 716/5
US 6499131 B1	Method for verification of crosstalk noise in a CMOS design	20021224 716/5
US 6496370 B2	Structure and method for an electronic assembly	20021217 361/699
US 6493853 B1	Cell-based noise characterization and evaluation	20021210 716/5
US 6493395 B1	Multi-carrier transmission systems	20021210 375/261
US 6480998 B1	Iterative, noise-sensitive method of routing semiconductor nets using a delay noise threshold	20021112 716/13
US 6466629 B1	Multi-carrier transmission systems	20021015 375/316
US 6456649 B1	Multi-carrier transmission systems	20020924 375/222
US 6449753 B1	Hierarchical coupling noise analysis for submicron integrated circuit designs	20020910 716/5
US 6438174 B1	Multi-carrier transmission systems	20020820 375/261
US 6426680 B1	System and method for narrow band PLL tuning	20020730 331/34
US 6424034 B1	High performance packaging for microprocessors and DRAM chips which minimizes timing skew	20020723 257/723
US 6392296 B1	Silicon interposer with optical connections	20020521 257/698
US 6385565 B1	System and method for determining the desired decoupling components for power distribution	20020507 703/18
US 6378109 B1	Method of simulation for gate oxide integrity check on an entire IC	20020423 716/4
US 6363516 B1	Method for hierarchical parasitic extraction of a CMOS design	20020326 716/5
US 6363128 B1	Multi-carrier transmission systems	20020326 375/355
US 6281042 B1	Structure and method for a high performance electronic packaging assembly	20010828 438/108
US 6272465 B1	Monolithic PC audio circuit	20010807 704/258
US 6246774 B1	Wavelet audio synthesizer with multiple volume components and two modes of stereo position	20010612 381/104
US 6219237 B1	Structure and method for an electronic assembly	20010417 361/699
US 6188344 B1	Signal processors	20010213 341/143
US 6177665 B1	High-speed logarithmic photo-detector	20010123 250/207
US 6150188 A	Integrated circuits using optical fiber interconnects formed through a semiconductor wafer	20001121 438/31
US 6144217 A	Low switching noise logic circuit	20001107 326/27
US 6117182 A	Optimum buffer placement for noise avoidance	20000912 716/8
US 6104588 A	Low noise electrostatic discharge protection circuit for mixed signal CMOS integrated circuits	20000815 361/111
US 6090636 A	Integrated circuits using optical waveguide interconnects formed through a semiconductor wafer	20000718 438/31
US 6073259 A	Low cost CMOS tester with high channel density	20000606 714/724
US 6072947 A	Method of making an integrated circuit including noise modeling and prediction	20000606 703/14

US 6064743 A	Wavetable audio synthesizer with waveform volume control for eliminating zipper noise	20000516 381/104
US 6058066 A	Enhanced register array accessible by both a system microprocessor and a wavetable audio :	20000502 365/230.05
US 6052316 A	Output buffer circuitry for semiconductor integrated circuit device	20000418 365/189.05
US 6047073 A	Digital wavetable audio synthesizer with delay-based effects processing	20000404 381/61
US 6041169 A	Method and apparatus for performing integrated circuit timing including noise	20000321 716/6
US 6029117 A	coupled noise estimation method for on-chip interconnects	20000222 702/58
US 6026286 A	RF amplifier, RF mixer and RF receiver	20000215 455/327
US 6002860 A	High frequency noise and impedance matched integrated circuits	19991214 703/14
US 6002122 A	High-speed logarithmic photo-detector	19991214 250/207
US 5926060 A	Mirror model for designing a continuous-time filter with reduced filter noise	19990720 327/538
US 5809466 A	Audio processing chip with external serial port	19980915 704/258
US 5799111 A	Apparatus and methods for smoothing images	19980825 382/254
US 5789799 A	High frequency noise and impedance matched integrated circuits	19980804 257/578
US 5760634 A	High speed, low noise output buffer	19980602 327/391
US 5742695 A	Wavetable audio synthesizer with waveform volume control for eliminating zipper noise	19980421 381/104
US 5731674 A	Motor with variable edge steepness	19980324 318/439
US 5691724 A	Police traffic radar using FFT processing to find fastest target	19971125 342/104
US 5682336 A	Simulation of noise behavior of non-linear circuit	19971028 703/3
US 5675808 A	Power control of circuit modules within an integrated circuit	19971007 713/322
US 5668507 A	Noise generator for evaluating mixed signal integrated circuits	19970916 331/78
US 5668338 A	Wavetable audio synthesizer with low frequency oscillators for tremolo and vibrato effects	19970916 84/629
US 5659466 A	Monolithic PC audio circuit with enhanced digital wavetable audio synthesizer	19970819 700/94
US 5570093 A	Police traffic radar using absolute signal strength information to improve target signal process	19961029 342/104
US 5568395 A	Modeling and estimating crosstalk noise and detecting false logic	19961022 716/4
US 5565871 A	Police traffic radar for allowing manual rejection of incorrect patrol speed display	19961015 342/176
US 5563603 A	Police traffic radar using digital data transfer between antenna and counting unit	19961008 342/115
US 5528245 A	Police traffic radar using double balanced mixer for even order harmonic suppression	19960618 342/104
US 5525996 A	Police traffic radar for calculating and simultaneously displaying fastest target speed	19960611 342/104
US 5517130 A	Method and structure for reducing noise in output buffer circuits	19960514 326/27
US 5481484 A	Mixed mode simulation method and simulator	19960102 703/14
US 5453693 A	Logging system for measuring dielectric properties of fluids in a cased well using multiple min	19950926 324/324
US 5274591 A	Serial clock noise immunity in a semiconductor memory integrated circuit having a serial port	19931228 365/189.05
US 5151612 A	Circuit for eliminating digital noise or short pulses utilizing set/reset shift register	19920929 327/34
US 5091699 A	Frequency division network having low phase noise	19920225 327/117
US 5084868 A	Common bus multinode sensor system	19920128 370/482
US 5027089 A	High frequency noise bypassing	19910625 333/12
US 4933973 A	Apparatus and methods for the selective addition of noise to templates employed in automatic	19900612 704/233
US 4847903 A	Wireless remote speaker system	19890711 381/3
US 4827427 A	Instantaneous incremental compiler for producing logic circuit designs	19890502 703/14
US 4770842 A	Common bus multinode sensor system	19880913 376/216
US 4577071 A	Echo canceller with adaptive residual center clipper controlled by echo estimate	19860318 379/406.08
US 4416024 A	Distortion reducing circuit in FM receiver	19831115 455/303
US 3911296 A	Capacitance multiplier circuit	19751007 327/552

US 6523149 B
US 6327542 B
US 6117182 A

Noise analysis method for electrical circuit, involves partitioning original multi-port circuit into 1
Node coupling voltage noise approximation method for evaluating netlist file uses resistance,
Noise-reducing buffer insertion method for integrated circuit, involves modeling a data repres

20030218
20011204
20000912